

WHAT IS CLAIMED IS:

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1. A disk tray unit movably attached to a
main body of a disk rotational device for conveying a
disk from a predetermined position outside the main
10 body through an opening formed on a frame of the main
body to a disk rotating position inside the main body,
and conveying the disk from the disk rotating position
inside the main body through the opening to the
predetermined position outside the main body,
15 comprising:

a tray including a recessed portion for
accommodating the disk; and

a disk holding member formed on a peripheral
wall of the recessed portion, the disk holding member
20 having a front end of a smooth shape without unevenness
and projecting toward an inner side of the recessed
portion so that the front end faces a portion of a
periphery of the disk accommodated in the recessed
portion.

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2. The disk tray unit as claimed in claim 1,
5 comprising a plurality of the disk holding members.

10 3. The disk tray unit as claimed in claim 2,
wherein the disk holding members are arranged to cover
the periphery of the disk.

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4. The disk tray unit as claimed in claim 1,
wherein the front end is in a shape of an arc forming a
portion of a circle or an ellipse.

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5. The disk tray unit as claimed in claim 1,
25 wherein at least a side of the disk holding member

facing the disk forms a rounded surface.

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6. A disk rotational device for driving a disk to rotate at a disk rotating position, comprising:

a main body having a frame with an opening formed thereon; and

10 a disk tray unit movably attached to the main body for conveying the disk from a predetermined position outside the main body through the opening on the frame to the disk rotating position inside the main body, and conveying the disk from the disk rotating
15 position inside the main body through the opening to the predetermined position outside the main body,

said disk tray unit comprising:

a tray including a recessed portion for accommodating the disk; and

20 a disk holding member formed on a peripheral wall of the recessed portion, the disk holding member having a front end of a smooth shape without unevenness and projecting toward an inner side of the recessed portion so that the front end faces a portion of a
25 periphery of the disk accommodated in the recessed

portion.

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7. The disk rotational device as claimed in claim 6, wherein the disk is an information storage medium;

said disk rotational device further
10 comprising a head unit arranged inside the frame and at least performs reproduction of information on the storage medium among operations of recording the information on the information storage medium, deleting the information on the information storage medium, and
15 reproducing the information on the information storage medium.

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8. The disk rotational device as claimed in claim 7, wherein

the information storage medium is an optical disk; and

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the head unit is an optical pickup.